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Approved for use through 07/31/2006. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	10/518,226
Filing Date	December 16, 2004
First Named Inventor	Carl Christensen
Art Unit	2138
Examiner Name	Christine T. Tu
Attorney Docket Number	PU020288

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[illegible]

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

* Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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European Patent
Office

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number
EP 03 74 2042

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 5 559 506 A (LEITCH CLIFFORD D [US]) 24 September 1996 (1996-09-24)	1,3,12,13,18,19	INV. H03M13/29
Y	* column 9, line 28 - line 52 *	2	
A	* column 12, line 18 - column 13, line 13 *	4-11,14-17	
	* column 15, line 4 - column 16, line 7 *		
	* column 18, line 20 - column 19, line 10 *		
	* figures 5,9-14 *		
X	US 6 125 466 A (CLOSE CIARAN B [IE] ET AL) 26 September 2000 (2000-09-26)	12	
A	* column 3, line 33 - column 4, line 21 *	1-11,13-19	
Y	US 5 740 186 A (WIDMER ALBERT X [US]) 14 April 1998 (1998-04-14)	2	
	* abstract *		
	* column 4, line 18 - column 5, line 59 *		
A	US 4 660 202 A (WOODSUM GREGORY T [US]) 21 April 1987 (1987-04-21)	1-19	TECHNICAL FIELDS SEARCHED (IPC) H03M G06F
	* column 2, line 57 - column 7, line 52 *		
	* figures 3-13 *		
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 20 February 2007	Examiner Burkert, Frank
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document</p> <p>T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document</p>			

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EPO FORM 1503 (04.02) (P0404)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 03 74 2042

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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20-02-2007

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

** TOTAL PAGE.09 **